

Legend:



Task Receives Resource

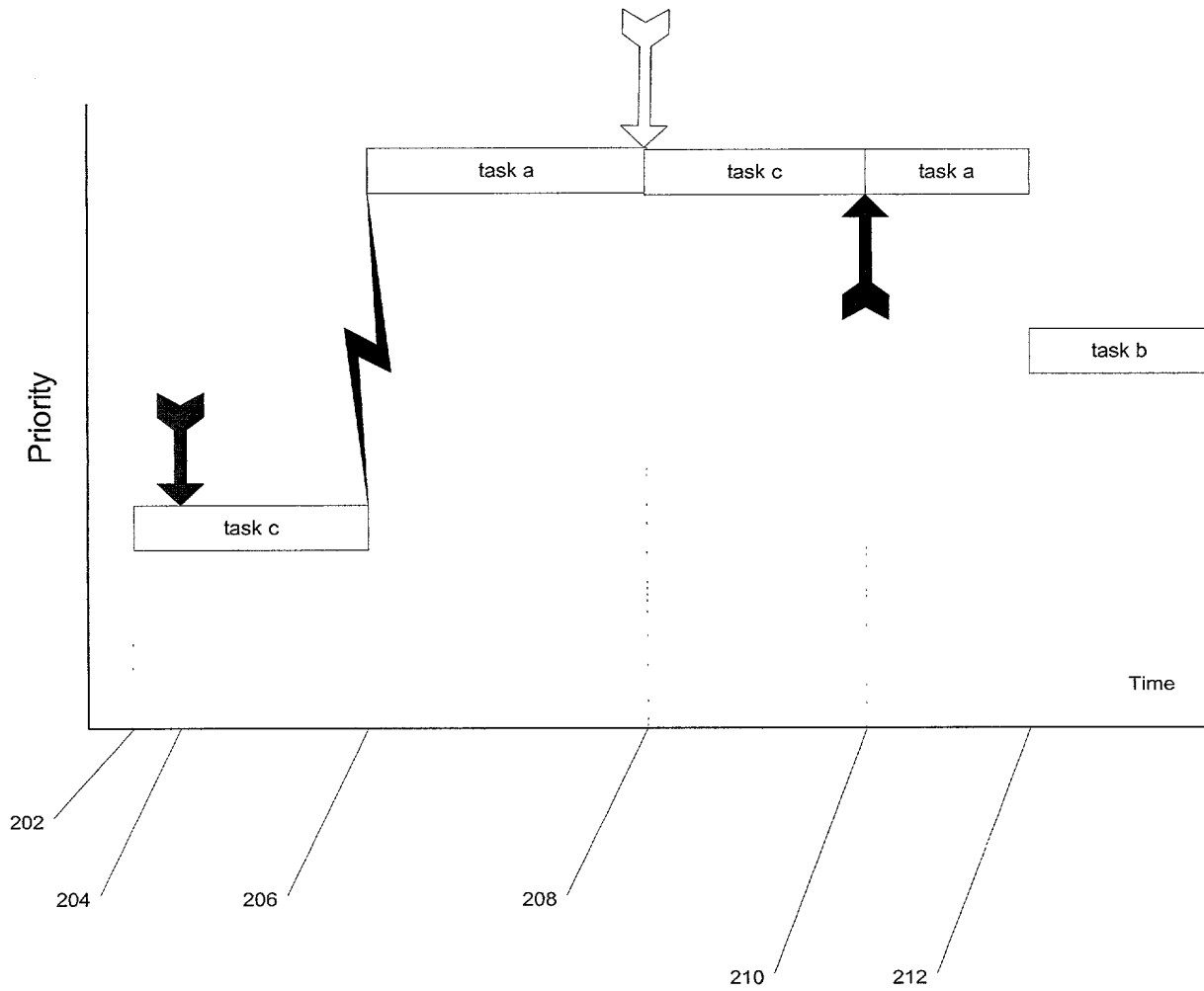


Task Requests Resource That Is Unavailable



Higher Priority Task Preempts Lower Priority Task

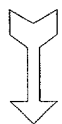
Figure 1



Legend:



Task Receives Resource



Task Requests Resource That Is Unavailable



Higher Priority Task Preempts Lower Priority Task

Figure 2

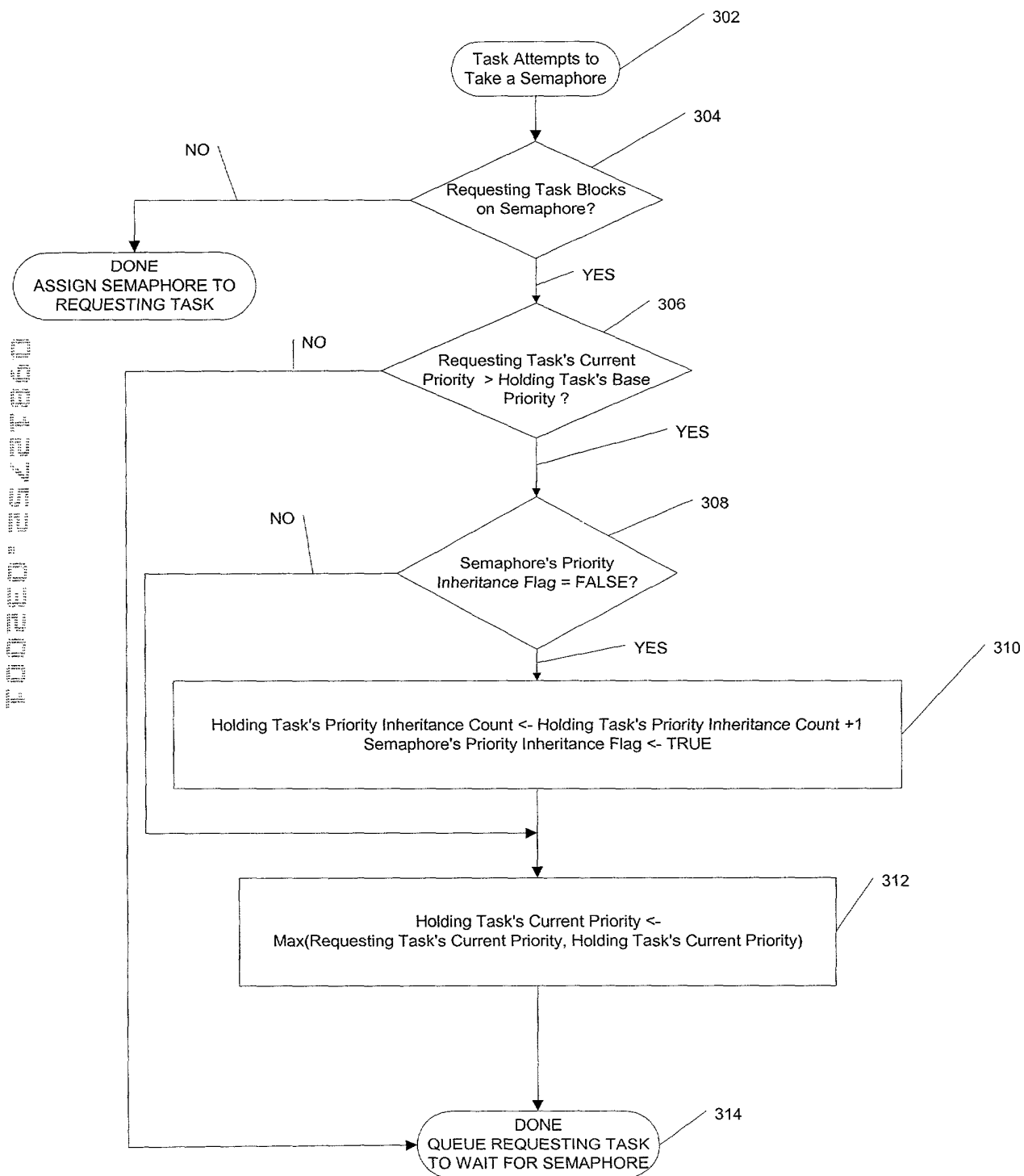


Figure 3

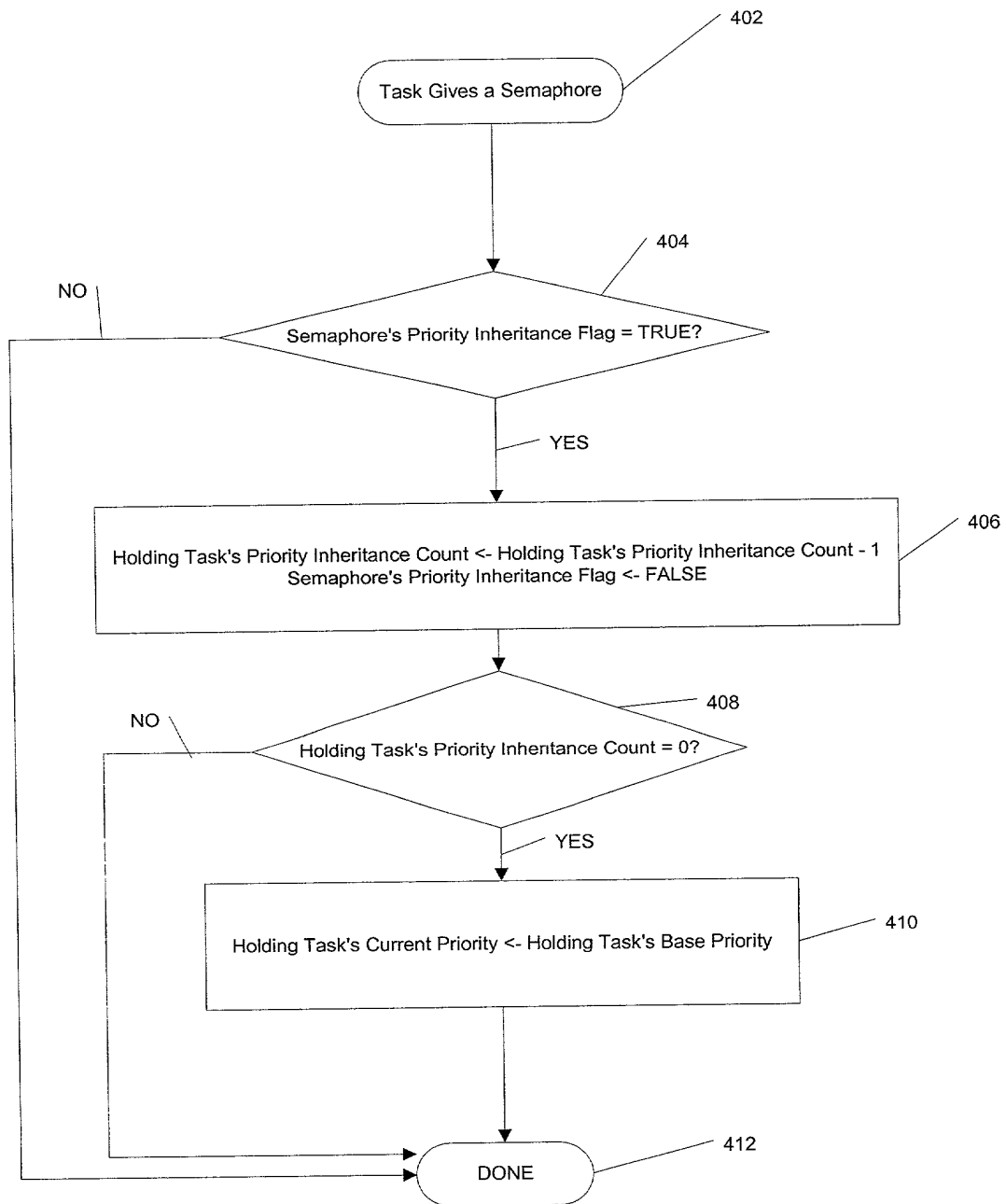


Figure 4

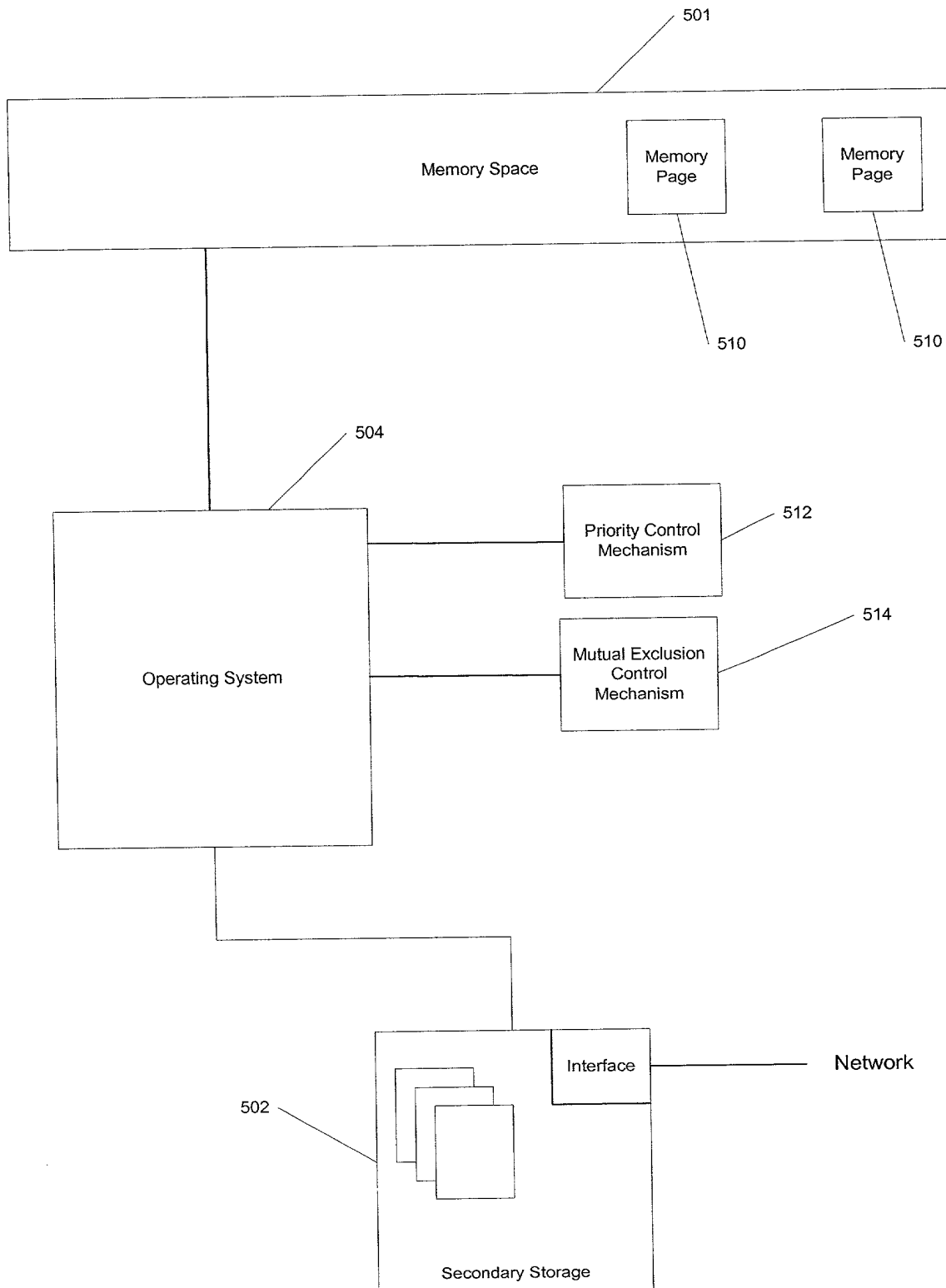


Figure 5

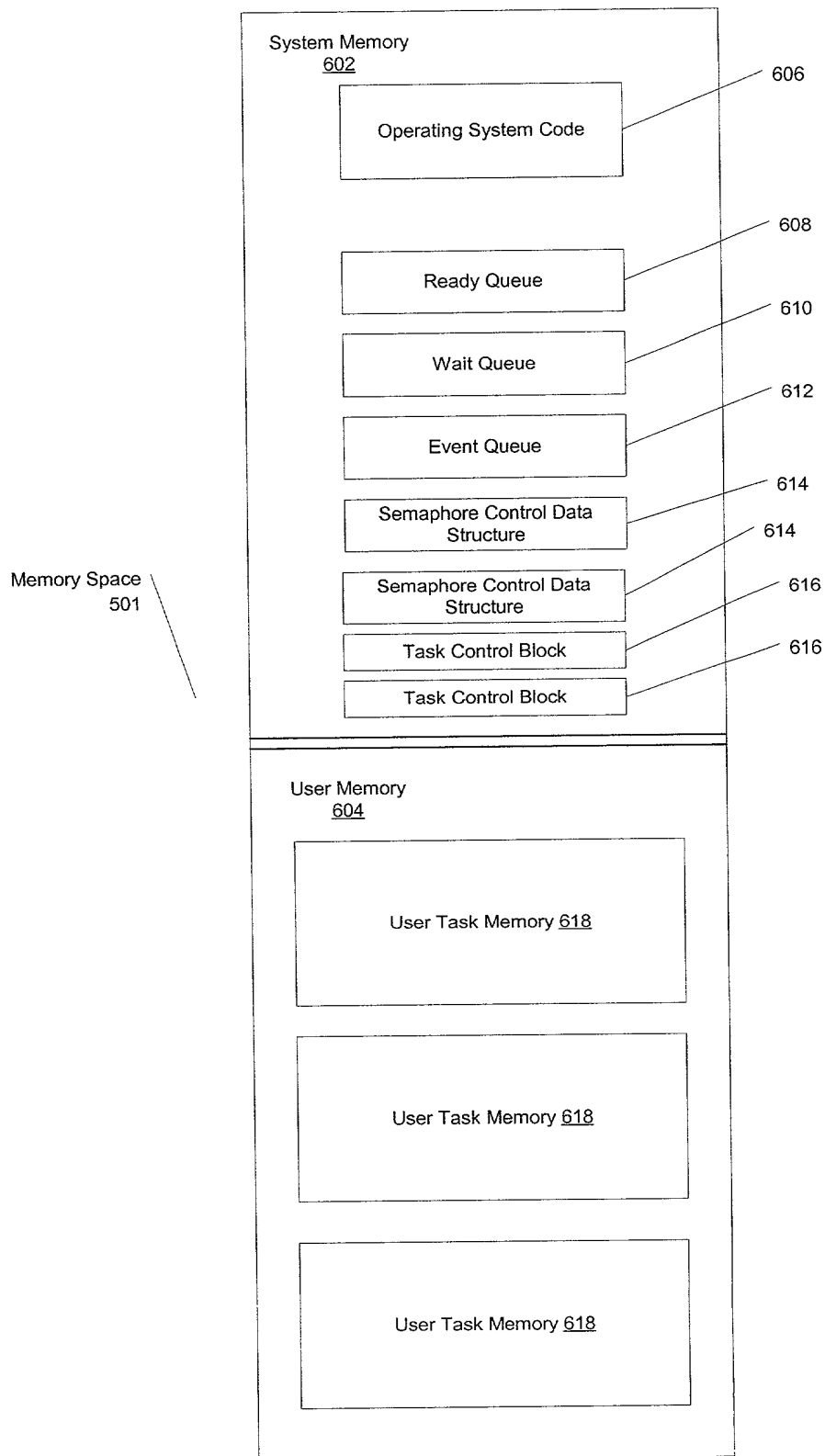


Figure 6

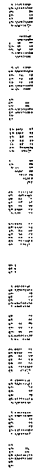


Table 1. Demographic characteristics of the study population	
Age (years)	65.0 ± 10.0
Gender (male/female)	100/100
Education (years)	12.0 ± 2.0
Marital status (married/divorced/widowed)	150/50/50
Occupation (retired/employed)	150/50
Income (USD/month)	1,500 ± 500
Comorbidities (hypertension/diabetes/cholesterol)	100/50/50
Medication (antidepressants/antipsychotics)	100/50
Alcohol consumption (yes/no)	50/150
Smoking status (current/former/never)	50/100/50
Family size (number of children)	2.0 ± 1.0
Living arrangement (alone/together)	50/150
Health insurance (yes/no)	150/0
Religious affiliation (Christian/Jewish/Muslim)	100/50/50
Place of birth (urban/rural)	100/50
Duration of illness (years)	10.0 ± 5.0
Previous hospitalizations (yes/no)	100/50
Current symptoms (depression/anxiety)	100/50
Functional status (independent/dependent)	100/50
Social support (strong/weak)	100/50
Quality of life (high/low)	100/50
Overall health (good/poor)	100/50
Life satisfaction (satisfied/dissatisfied)	100/50
Stress levels (low/high)	100/50
Emotional stability (stable/unstable)	100/50
Personality traits (introverted/extroverted)	100/50
Resilience (high/low)	100/50
Optimism (positive/negative)	100/50
Self-efficacy (high/low)	100/50
Problem-solving skills (good/poor)	100/50
Decision-making ability (strong/weak)	100/50
Communication skills (effective/ineffective)	100/50
Conflict resolution (peaceful/aggressive)	100/50
Empathy (high/low)	100/50
Emotional regulation (good/poor)	100/50
Stress management (effective/ineffective)	100/50
Life goals (clear/vague)	100/50
Values and beliefs (strong/weak)	100/50
Religious practices (frequent/rare)	100/50
Community involvement (active/passive)	100/50
Volunteering (yes/no)	50/100
Charitable contributions (yes/no)	50/100
Political participation (yes/no)	50/100
Cultural activities (yes/no)	50/100
Travel habits (frequent/rare)	50/100
Dietary preferences (vegetarian/non-vegetarian)	50/100
Exercise routine (regular/irregular)	50/100
Sleep patterns (regular/irregular)	50/100
Hydration habits (adequate/inadequate)	50/100
Personal hygiene (good/poor)	50/100
Household cleanliness (tidy/untidy)	50/100
Neighborhood safety (safe/unsafe)	50/100
Local economy (strong/weak)	50/100
Infrastructure development (good/poor)	50/100
Environmental quality (clean/dirty)	50/100
Public services (efficient/inefficient)	50/100
Government policies (supportive/oppressive)	50/100
Media influence (positive/negative)	50/100
Technology usage (frequent/rare)	50/100
Internet access (yes/no)	50/100
Mobile phone usage (yes/no)	50/100
Social media presence (yes/no)	50/100
Online shopping (yes/no)	50/100
Digital literacy (high/low)	50/100
Work-life balance (good/poor)	50/100
Work satisfaction (satisfied/dissatisfied)	50/100
Job security (stable/unstable)	50/100
Work environment (healthy/unhealthy)	50/100
Supervisor relationship (good/poor)	50/100
Peer relationships (positive/negative)	50/100
Work-life balance (good/poor)	50/100
Overall work satisfaction (satisfied/dissatisfied)	50/100
Work-life balance (good/poor)	50/100
Overall work satisfaction (satisfied/dissatisfied)	50/100

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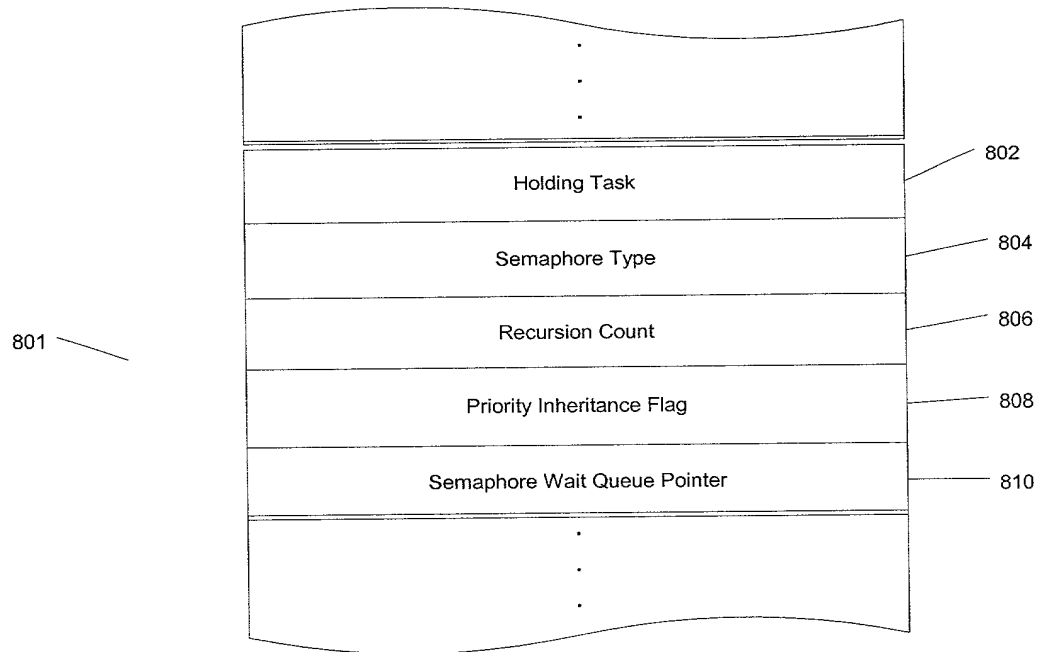


Figure 8

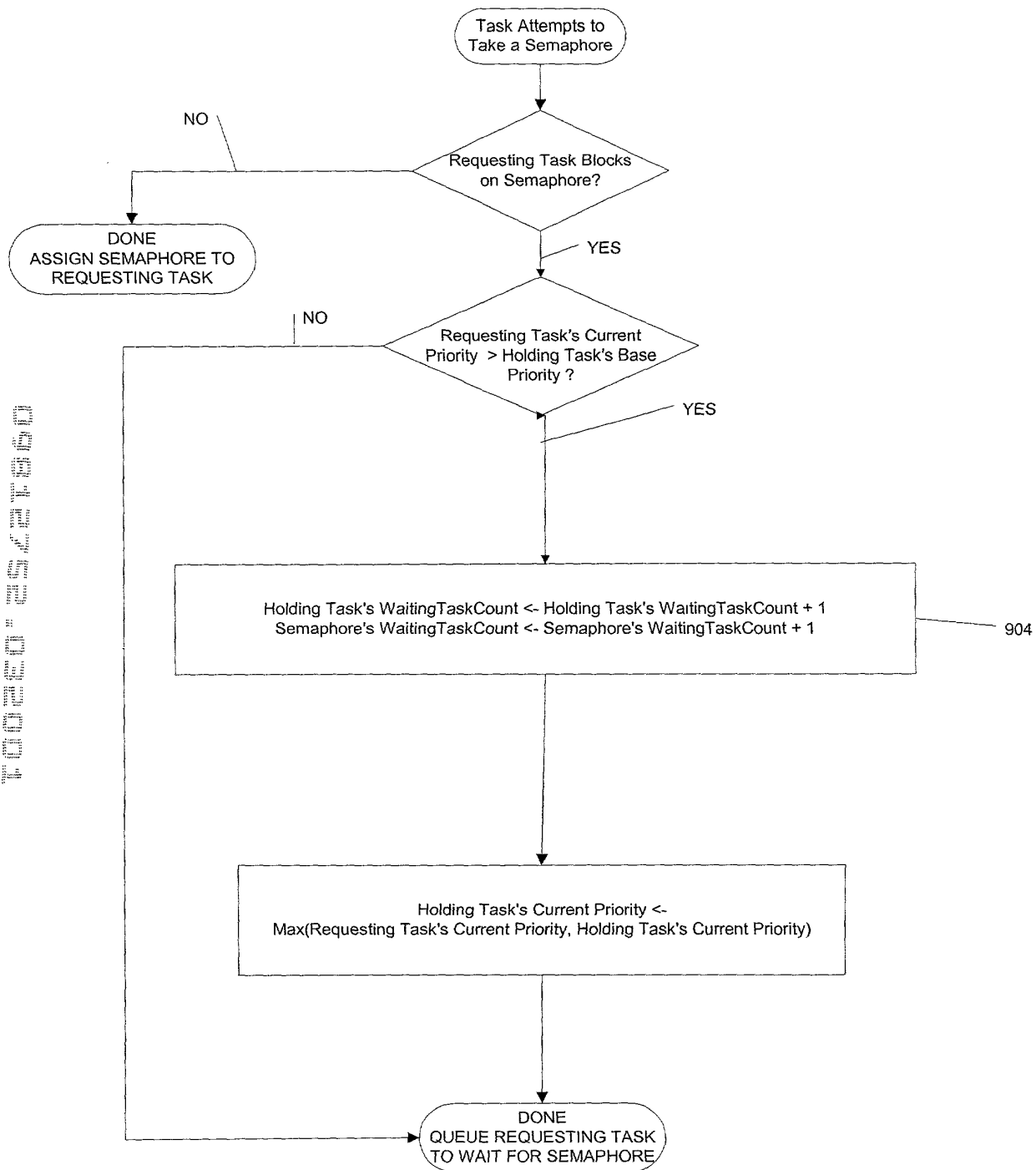


Figure 9

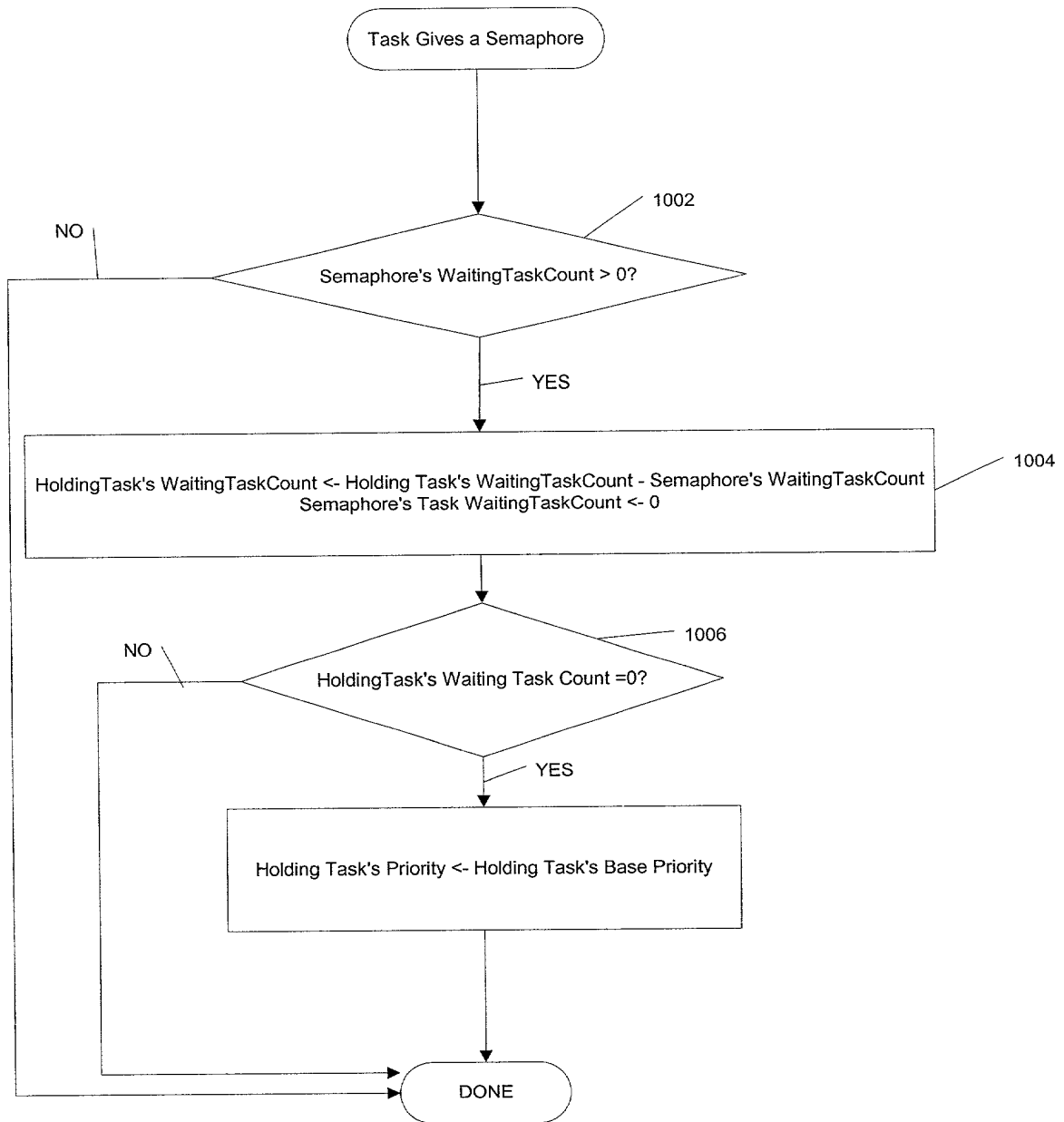


Figure 10

1101

1102

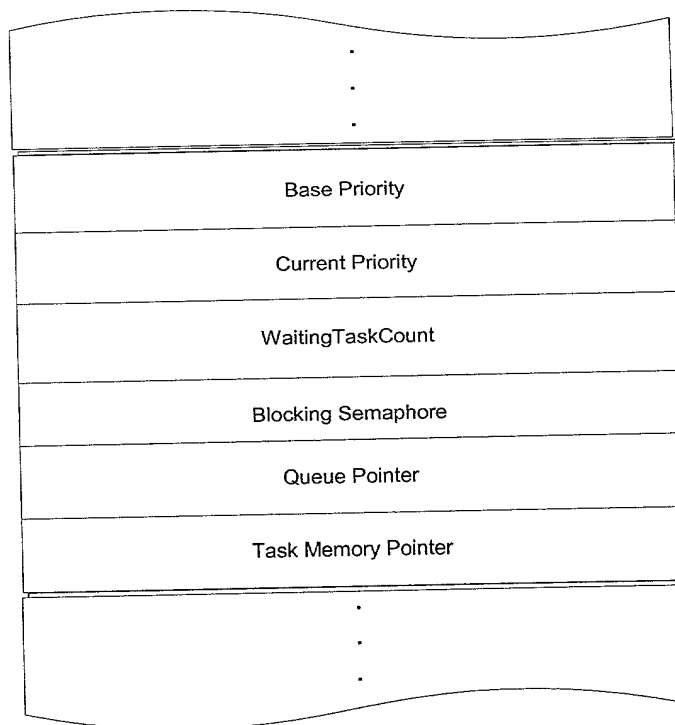
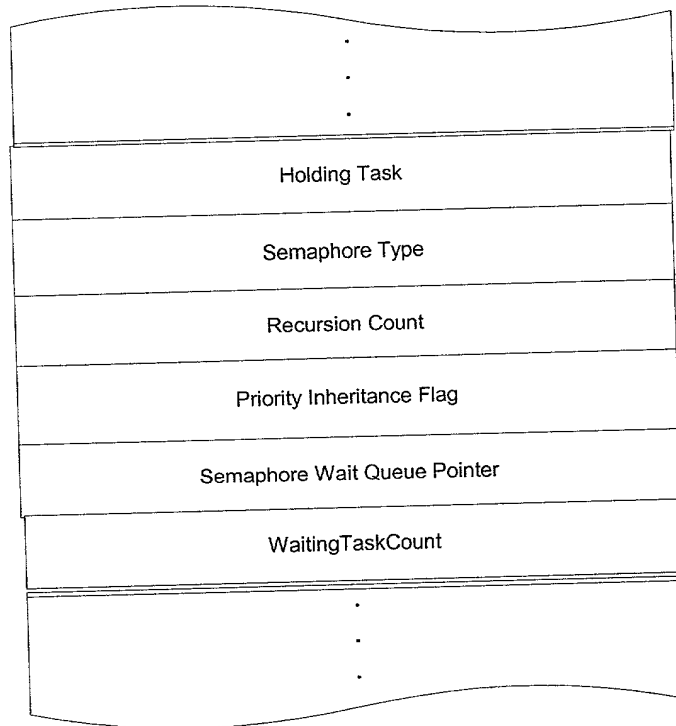


Figure 11

1201



1202

Figure 12

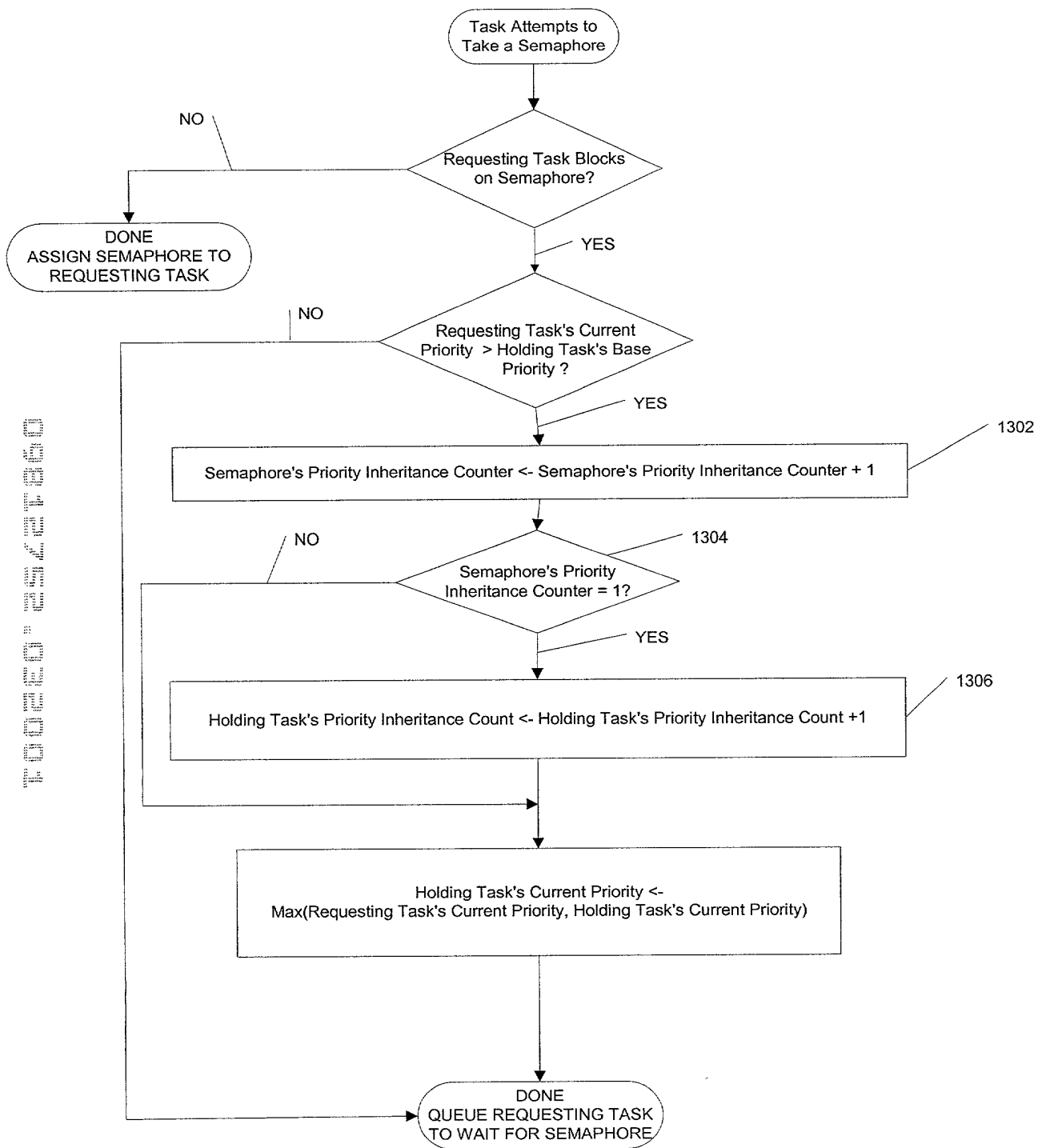


Figure 13

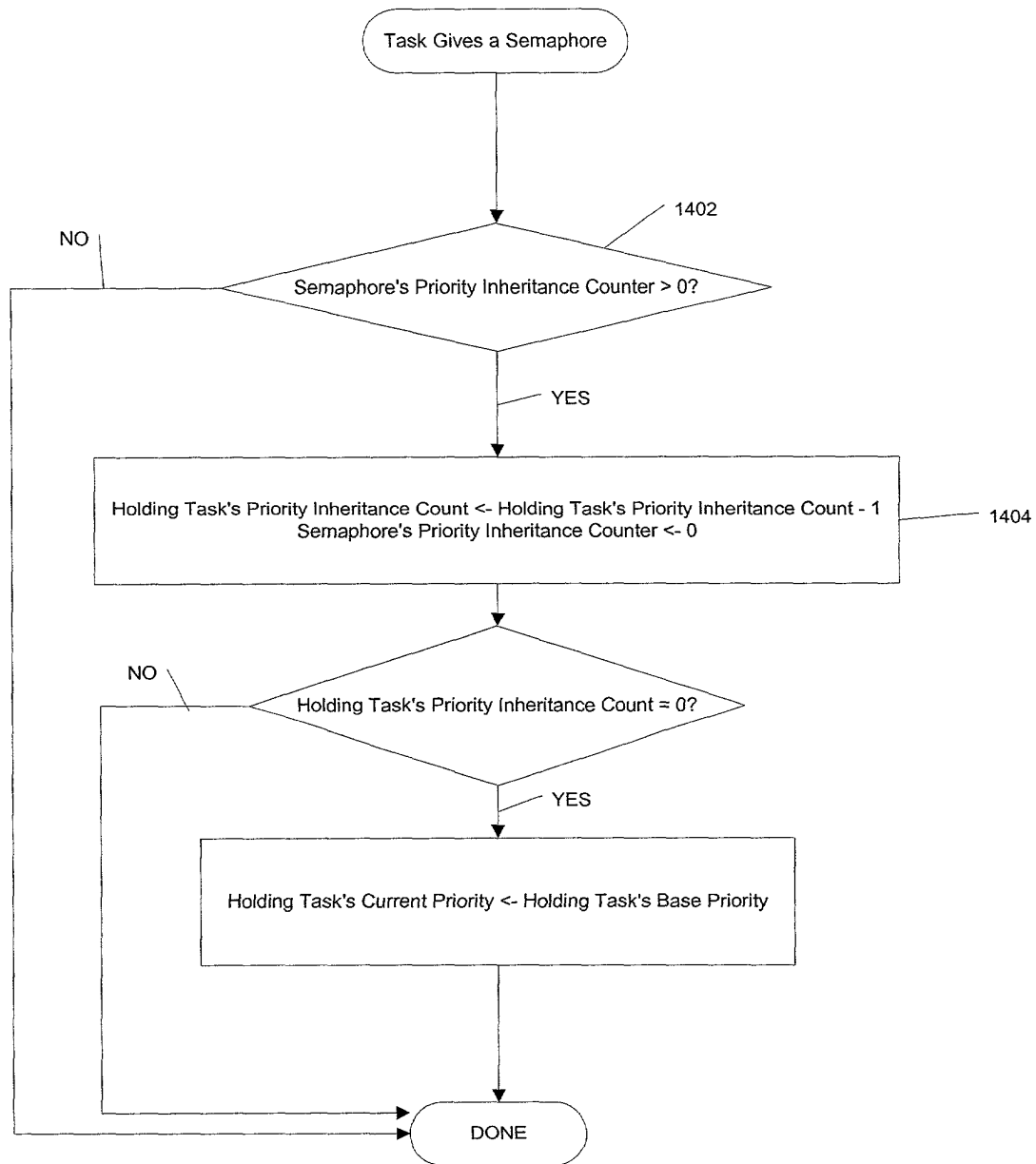
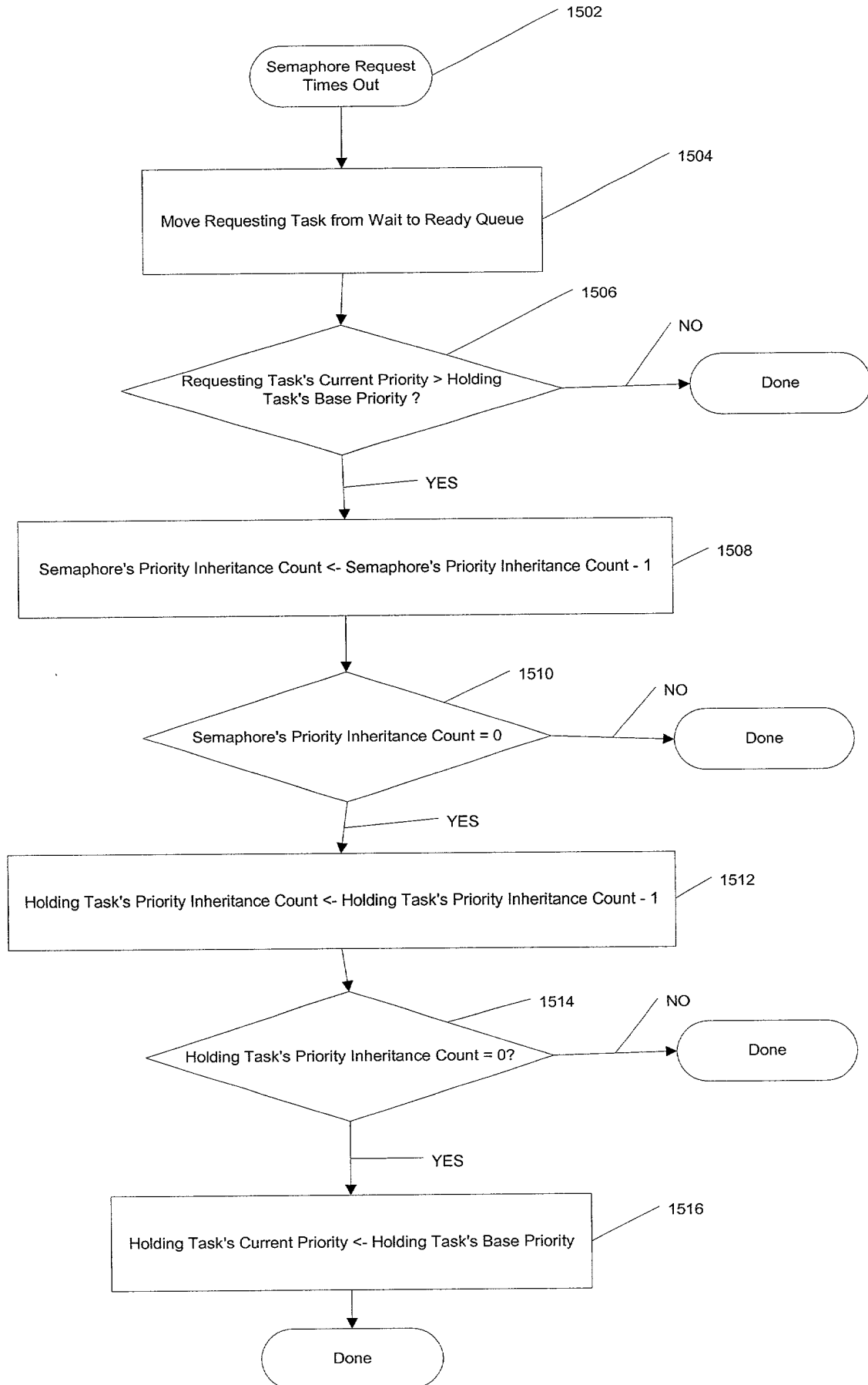


Figure 14



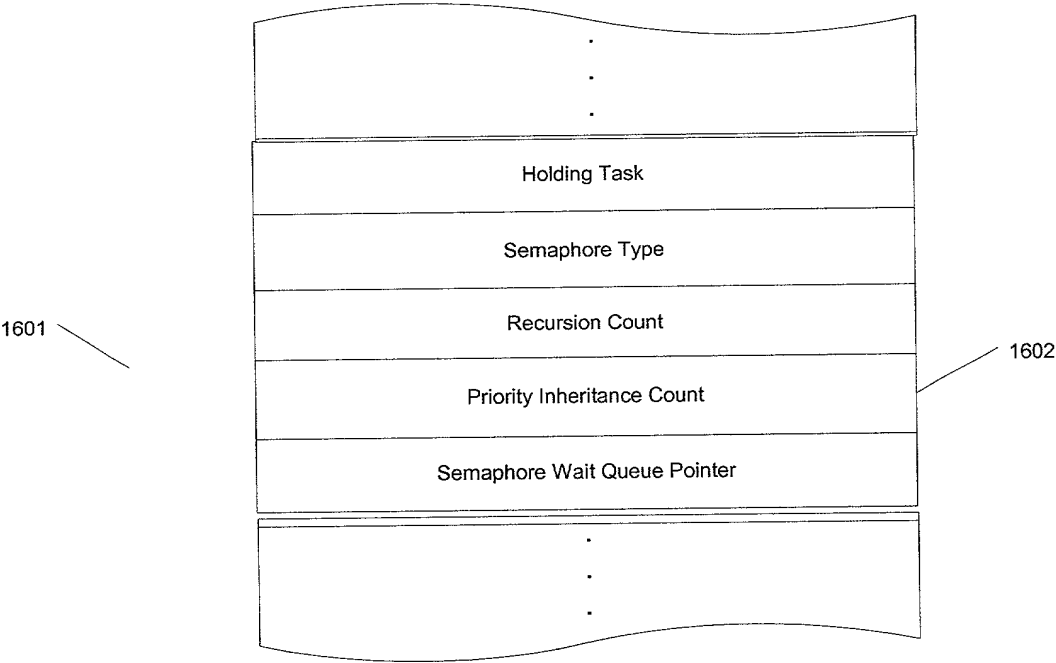


Figure 16